

SOUTH LAKE WORTH INLET

SAND TRAP AND CHANNEL MAINTENANCE DREDGING PROJECT

Palm Beach County Inlets

- 4 inlets, 2 natural and 2 man-made.
- South Lake Worth Inlet, also called the Boynton Inlet, constructed in 1925.

Project Location

- Between the towns of Manalapan and Ocean Ridge in the Lake Worth Lagoon.

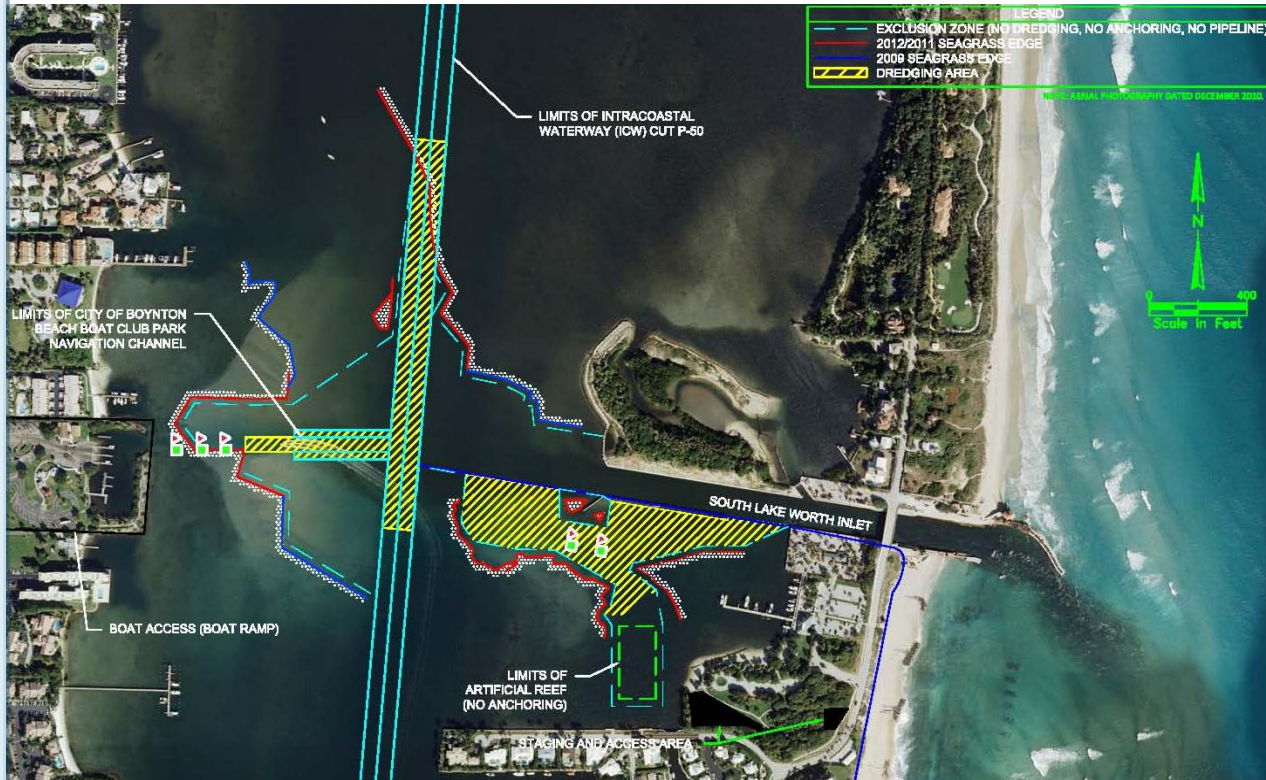
The Problem

- Sand has piled up in the man-made sand trap and navigation channels.
- The irregular rock bottom of the sand trap south of the inlet "training" wall prevents the efficient removal of sand.

The Solution

- Dredge the sand trap inside the inlet.
- Dredge the shoaled sand from the Intracoastal Waterway navigation channels and boat ramp.
- Return the beach quality sand to the beach south of the inlet.
- Remove additional rock from the sand trap, smoothing the bottom and increasing future capacity.
- Add larger rock to existing artificial reef nearby.
- Barge lesser quality sand and small rock to a deep hole in the Lake Worth Lagoon.

Project Aerial View



2013 Maintenance Project

Phase I (February – April)

- A cutterhead dredge will remove the accumulating sand in the interior sand trap and navigation channels west of the inlet.
- Sand/water mixture will travel by pipeline through the inlet, over the south jetty and along the beach into the ocean at Ocean Hammock Park.
- 54,000 cubic yards of sand from the interior sand trap, the Lake Worth Lagoon, and the Boynton Boat Club Channel will be removed and re-introduced into the coastal (beach) system.

Phase II (April – July)

- Fine sand and small rock will be mechanically dredged and barged to a deep hole in the Lake Worth Lagoon.
- Larger rock will be added to an existing artificial reef adjacent to the sand trap.



Dredged sand being discharged near shore

Project Partners

Palm Beach County, Florida Inland Navigation District, City of Boynton Beach, Florida Department of Environmental Protection



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